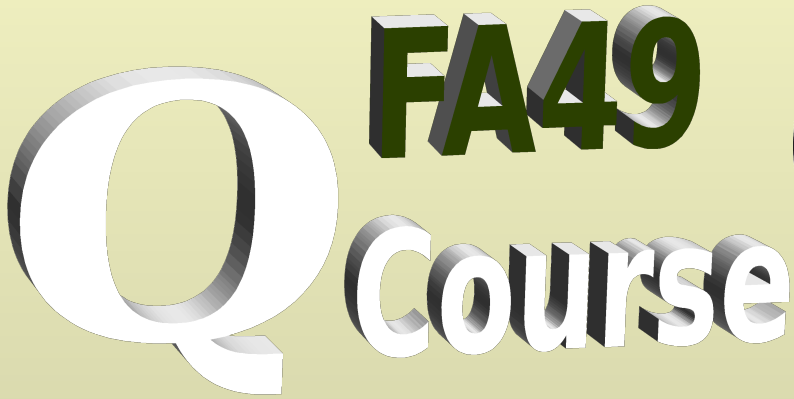


FA49 Qualifications Course Overview

Why an FA 49 Qualification Course?

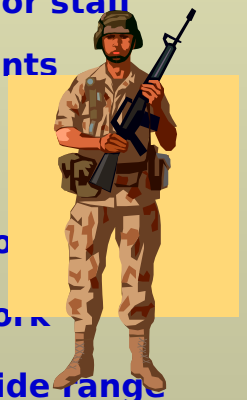
Fills educational void by preparing ORSA officers to apply business practices, tools and methodologies during their 10-20th years of service as senior analysts on Army and Joint staf

Integrates ORSA education, ILE Core, and operational/ORSA experience to produce officers with enhanced analytical skills who understand the operational environment.

Q-Course Goals

Prepares Officers:

- For supervisory positions on senior staff
- To establish analytical requirements
- To design and lead studies
- To establish appropriate methodo
- To guide and review analytical wo
- To apply ORSA techniques to a wide range of military issues



Mandates:

- "Keep the 'O' in Operations Research"

  -- ORSA Advisory Committee

- "The strategic objective [of the Officer Education System] is to create an operationally relevant education and training system to produce more capable, confident leaders"

  -- CSA's OES Announcement

FA 49 Q-Course: Concept

ORSA MAC I
and/or
Primary OR Masters &
Initial ORSA Tour Completed

Operational Experience
Branch Qualified CPTs
Core ILE*
CFD FA 49

ILE Qualified Majors with
Expanded Analytical Skills
Prepared to Design and Lead
ORSA Efforts in their 10th-20th
Years of Service

It is desired but not required that students attend the Core ILE course prior to the Q-course.

FA 49 Q-Course - Learning Approach:

Design:

Experiential Learning Model

Adult Learning Model:

Andragogy - Learner is Self Directing, Resource for Learning, Applies Life Experiences & Performance Centered

Method: Socratic -

- **Promote Critical Thinking**
- **Give Questions, Not Answers**
- **"Leading" Statements**
- **Reasoning**
- **Self Assessment**

Current Course Summary:

- **Total days of instruction**: 29 days
  - 6 week course
  - 5 class days/week (excluding Holidays)
- **Class size**: 15-20
- **Location**: Army Logistics management College (ALMC), Ft. Lee VA
  - Enhanced Technology Classrooms
  - Course Provided Laptop

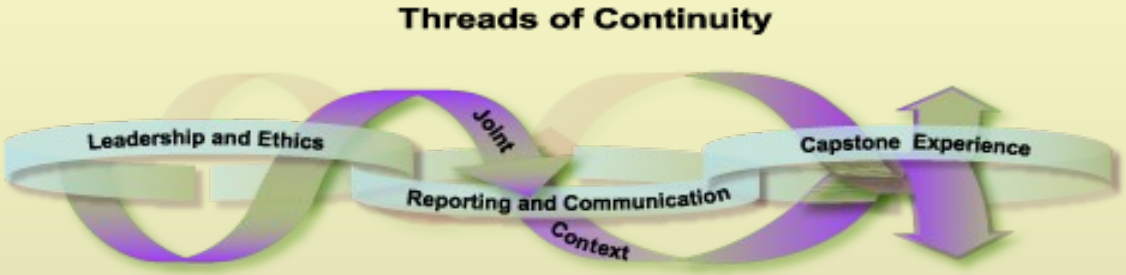
Academic Hours (AH):

	Contact	PE	Home-work	Total
Total	99	143	24	266
Avg/Week	16.5	23.8	4.0	44.3
Avg/Day	3.4	4.9	0.83	9.2

AH: 50 min = 1 Hour

- 1 Course Director/Primary Instructor
- ALMC Staff Resources – SSAM, SED, ORSA Faculty as Required
- Guest lecturers from analytic organizations, Army & Joint Staff – *Significant Contributions to Curriculum*
- Student Analysis Teams formed with a mix of FA 49 experiences

FA 49 Q-Course Curriculum:



Course Module	Academic Hrs	Curriculum Content
Studies	**42**	Types & Impact of Army studies, Problem Formulation, M&S, Analysis Plan Development, Scenario Development, Analysis Communication, Analysis Leadership *(Includes ROPES)*
The Role of Analysis	**70**	FA&E, Test and Evaluation, Force Development Analysis, Personnel Analysis, Sister Services, Joint Analysis, Cost & Affordability Analysis, Support to Combat Operations
Operational Environment	**4**	World Trends, Current Threat, Operational Environment, Threat Development and Study Support Process
Transformation	**6** Additional 14 hrs of Homework	Joint Operational Concepts, ACP, CSA Focus Areas, Modularity, Transformation, and Current and Future Forces
Capstone Exercise	**120**	End-to-end Exercise which integrates course content in a joint context. Introduced first week of course. **Culminates in briefings to Senior ORSA leadership in Mock SAG**

FA 49 Q-Course - Guest Lecturer List *:

- Army G8 PA&E (COL Phelan, MAJ Stokes)
- Army G3 - USAFMSA (Mr Schneck)
- Army G1 (COL Galing)
- Army Accessions Command (COL Gay)
- DASA-CE (Mr Anvari, Mr Brennan)
- CAA (Dr Treharn, LTC Corson, Mr Peterson)
- ATEC (LTC Lizardi)
- TRAC (COL Appleget, LTC Gesling, MAJ Welch, MAJ Barkey,)
- OCAR PA&E (COL Willingham)
- RAND (Mr Peltz)
- Threat Support Directorate (Mr Bauer)
- TRADOC FDD (Mr Twohig)
- HRC (MAJ Parente)
- FA49 Proponency (Ms Miller)
- J8 (Mr Cooper)
- AFSAA AF/A9 (Mr Rumbaugh)
- MCCDC (Dr Akst)
- N81 (Mr Barber)
- General Dynamics (Mr Garrambone)
- JFCOM (Mr. Cochrane)
- ORSA Support to the Field: OIF/OEF
    - LTC Corson
    - MAJ Welch

*Jan 07 Class (07-001)

Class/Student Composition:

- **Class is typically 15-20 students - organized into 3 Student Analysis Teams (SAT)**
- **Primarily Army Majors in CFD 49**
- **Includes USAR officers**
- **FA49 Proponency (Army G8) extends invitations to:**

  - Sister Services (Navy, AF, & USMC Military & Civilian Analysts)

  - DA Civilians in GS 1515 (ORSA) Career Series (GS12/13)

  - Selected Allied Officers in

Student Assessment:

- SAT presentations during practical exercises
- Capstone Exercise and leadership thereof (5 - 7 phases for Capstone module)
- “Brown Bag” briefing
- Individual Problem Formulation Scripted Briefing
- Individual participation in PE’s and general lesson discussions

Successful completion of FA49 Q-Course results in designation of “MEL-4 Qualified” in conjunction with ILE Professional Military Education requirements.

Other Information:

- **January 2007: Completion of FA49 Q-Course now results in awarding of Three (3) Graduate Credit Hours in Management Science. (ACE: American Council on Education)**